

City of Chattanooga, TN
Personnel Class Specification

Class code 0653

FLSA: Non-Exempt

CLASSIFICATION TITLE: MONITORING TECHNICIAN, SENIOR

PURPOSE OF CLASSIFICATION

The purpose of this classification is to perform technical work functions associated with collecting industrial wastewater samples from industries with wastewater discharge permits to ensure pretreatment compliance with federal, state, and local directives.

ESSENTIAL FUNCTIONS

The following duties are normal for this position. These are not to be construed as exclusive or all-inclusive. Other duties may be required and assigned.

Collects industrial wastewater samples from industries with wastewater discharge permits to ensure pretreatment compliance with all applicable federal, state, and local codes, laws, rules, regulations, standards, policies and procedures.

Leads crew in collecting freshwater samples from rivers and conducting biological sampling and overflow sampling.

Responds to questions and provides information involving operation of monitoring equipment and procedures used to ensure accurate data collection; provides advice and technical data to industries on ways to better improve their discharge systems.

Conducts flow, pH, and sample monitoring and/or collects samples at new/existing manufacturing industries and residential areas, including below-ground and above-ground manholes, rivers, pump stations, and regulator chambers for analysis.

Installs and maintains samplers, flow meters, and pH meters at industrial locations; sets up, adjusts, and calibrates monitoring equipment at sites based on the specific type of measuring device and various flow characteristics involved at that particular location.

Obtains daily industrial flow rates; verifies flow meter calibration and access flow rates.

Collects daily sampling from sites; collects freshwater samples from rivers; collects overflow samples from manholes.

Monitors floats and samplers on rivers and creeks; changes floats and samplers.

Prepares bottle labels and sample containers; delivers samples to laboratory.

Conducts searches for illegal discharges into ditches, creeks and storm drains; conducts searches in manholes and sewer lines for irritating chemicals and toxic conditions; tracks spills.

Conducts special investigations involving pump stations, metering stations, regulator chambers, residential areas, ditches, creeks, and storm drains.

Assists state agencies with special investigations involving spills, illegal discharges, and other special investigations.

Performs various manual tasks, which may include locating buried manholes, lifting manhole covers, collecting samples, testing samples, charging batteries, performing minor equipment repairs, and lifting/moving heavy materials.

Operates a variety of machinery, equipment, and tools associated with department activities, which may include a utility vehicle, water craft, trailer, camera, samplers, flow meters, pH meter, dissolved oxygen meter, depth meter, velocity meter, voltage meter, gas meter, metal detector, self contained breathing apparatus, battery, battery charger, pick, shovel, and mechanic tools.

Performs general cleaning/maintenance tasks necessary to keep vehicles, equipment, and tools in operable condition, which may include inspecting equipment, checking fluid levels, replacing fluids, greasing equipment, replacing parts, washing/cleaning equipment, and cleaning shop/work areas; monitors equipment operations to maintain efficiency and safety; reports faulty equipment.

Utilizes precautionary safety equipment and monitors work environment to ensure safety of employees and other individuals.

Monitors inventory levels of departmental equipment and supplies; initiates requests for new or replacement materials.

Compiles and/or monitors data pertaining to departmental activities; compiles sampling data from flow charts; maintains logs and records of sampling data and related activities.

Prepares or completes various forms, reports, correspondence, logs, lists, charts, field records, chain-of-custody records, or other documents.

Receives various forms, reports, correspondence, field reports, charts, manuals, tables, other documentation; reviews, completes, processes, forwards or retains as appropriate.

Operates a computer to enter, retrieve, review or modify data; verifies accuracy of entered data and makes corrections as appropriate; utilizes database or other software programs.

Communicates via telephone and/or two-way radio; provides information; takes and relays messages; responds to requests for service or assistance.

Communicates with supervisor, employees, other departments, engineers, company owners/managers, regulatory agencies, the public, and other individuals as needed to coordinate work activities, review status of work, exchange information, or resolve problems.

Maintains a comprehensive, current knowledge and awareness of applicable laws/regulations; attends workshops and training sessions as appropriate.

ADDITIONAL FUNCTIONS

Patrols industrial areas to identify new industries and non-permitted sources; conducts inspections and interviews non-permitted sources to identify need for permitting.

Participates in public relations activities by accompanying members of the media or other special interest groups to sampling sites for observation.

Provides assistance to other employees or departments as needed.

Performs other related duties as required.

MINIMUM QUALIFICATIONS

Any combination of training or experience equivalent to a vocational/technical degree with training emphasis in chemistry, biology, environmental science or a related physical science; supplemented by three (3) years of work experience and/or training in the areas of wastewater/water sampling, investigation of spills/discharges or in a related area; OR any combination of education, training, and experience which provides the requisite knowledge, skills, and abilities for this job. Must possess and maintain a valid Tennessee class D motor vehicle license.

PERFORMANCE APTITUDES

Data Utilization: Requires the ability to calculate and/or tabulate data. Includes performing subsequent actions in relation to these computational operations.

Human Interaction: Requires the ability to provide guidance, assistance, and/or interpretation to others regarding the application of procedures and standards to specific situations.

Equipment, Machinery, Tools, and Materials Utilization: Requires the ability to operate, maneuver and/or control the actions of equipment, machinery, tools, and/or materials used in performing essential functions.

Verbal Aptitude: Requires the ability to utilize a wide variety of reference, descriptive, and/or advisory data and information.

Mathematical Aptitude: Requires the ability to perform addition, subtraction, multiplication, and division; the ability to calculate decimals and percentages; the ability to utilize principles of fractions; and the ability to interpret graphs.

Functional Reasoning: Requires the ability to apply principles of rational systems; to interpret instructions furnished in written, oral, diagrammatic, or schedule form; and to exercise independent judgment to adopt or modify methods and standards to meet variations in assigned objectives.

Situational Reasoning: Requires the ability to exercise judgment, decisiveness and creativity in situations involving evaluation of information against measurable or verifiable criteria.

ADA COMPLIANCE

Physical Ability: Tasks require the ability to exert very moderate physical effort in light work, typically involving some combination of stooping, kneeling, crouching and crawling, and which may involve some lifting, carrying, pushing and/or pulling of objects and materials of moderate weight (12-20 pounds).

Sensory Requirements: Some tasks require the ability to perceive and discriminate colors or shades of colors, sounds, odor, depth, texture, and visual cues or signals. Some tasks require the ability to communicate orally.

Environmental Factors: Performance of essential functions may require exposure to adverse environmental conditions, such as dirt, dust, pollen, odors, wetness, humidity, rain, fumes, temperature and noise extremes, machinery, vibrations, electric currents, traffic hazards, toxic agents, violence, disease, or pathogenic substances.

Chattanooga, Tennessee, is an Equal Opportunity Employer. In compliance with the Americans with Disabilities Act, the City will provide reasonable accommodations to qualified individuals with disabilities and encourages both prospective and current employees to discuss potential accommodations with the employer.